

Notice of Allowability

Application No.

10/644,691

Examiner

Sarang Afzali

Applicant(s)

ZELINSKI, JOSEPH R.

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on December 01, 2005.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 12212005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's attorney Donald Ersler on 12/21/2005.

Drawings

The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

Reference numeral (28) depicting exhaust jacket openings should be added on Figure 3.

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

Specification

On page 9, lines 3-4 of the specification, "jacket holes 28" should read - - jacket openings 28 - -.

On page 9, line 8 of the specification, "each jacket pipe hole 28" should read - - each jacket opening 28 - -.

On page 9, line 12 of the specification, "two pipe holes 36" should read - - two jacket openings 36 - -.

On page 10, line 1 of the specification, "each pipe hole 36" should read - - each jacket opening 36 - -.

Claims

Claims 2-10, 12-17, 19, and 21-27, line 1, has been changed to read - - The method of removably attaching a - -.

Claim 1 (Currently Amended) A method of removably attaching a collector housing to an end of a header, comprising the steps of:
forming at least two coolant openings through at least two exhaust jacket pipes of said header;
providing a collector assembly having at least two jacket openings that are sized to receive said at least two exhaust jacket pipes, at least one sealing ring being disposed between an outer perimeter of at least one of said at least two exhaust jacket pipes and at least one of said at least two jacket openings, wherein said at least two jacket openings having a sealing groove sized to receive said at least one sealing ring, said collector assembly having a collector coolant passage area, attaching removably said collector housing to said at least two exhaust jacket pipes;
flowing a coolant through said at least two coolant openings into said collector coolant passage area.

Claim 11 (Currently Amended) A method of removably attaching a collector housing to an end of a header, comprising the steps of:
forming at least two coolant openings through at least two exhaust jacket pipes of said header;
providing a coolant transfer plate having at least two jacket openings that are sized to receive said at least two exhaust jacket pipes, at least one sealing ring being disposed between an outer perimeter of at least one of said at least two exhaust jacket pipes and at least one of said at least two jacket openings[;], wherein said at least two jacket openings having a sealing groove sized to receive said at least one sealing ring;
attaching removably said collector housing to said at least two exhaust jacket pipes;
providing a collector housing having a collector coolant passage area, attaching said collector housing to said coolant transfer plate; and
flowing a coolant through said at least two coolant openings of said coolant transfer plate into said collector coolant passage area.

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Claim 18 (Currently Amended) The method of removably attaching a collector housing to an end of a header of claim 14, further comprising the step of:

sealing a perimeter of said at least two exhaust jacket pipes to at least two jacket openings in said fastener plate, sealing a perimeter of at least two exhaust jacket pipes to at least two jacket [pipe] openings in said coolant passage plate.

Claim 20 (Currently Amended) A method of removably attaching a collector housing to an end of a header, comprising the steps of:

sealing an end of one of at least two exhaust jacket pipes of said header to a perimeter of a single exhaust pipe;

forming at least two coolant openings through said at least two exhaust jacket pipes;

providing a collector assembly having at least two jacket openings that are sized to receive said at least two exhaust jacket pipes, at least one sealing ring being disposed between an outer perimeter of at least one of said at least two exhaust jacket pipes and at least one of said at least two jacket openings, wherein said at least two jacket openings having a sealing groove sized to receive said at least one sealing ring, said collector housing having a collector coolant passage area, attaching removably said collector housing to said at least two exhaust jacket pipes;

flowing a coolant through said at least two coolant openings into said collector coolant passage area.

Claim 28 (Currently Amended) The method of removably attaching a collector housing to an end of a header of claim 24, further comprising the step of:

sealing a perimeter of said at least two exhaust jacket pipes to at least two jacket openings in said fastener plate, sealing a perimeter of at least two exhaust jacket pipes to at least two jacket [pipe] openings in said coolant passage plate.

Reasons For Allowance

1. The following is an examiner's statement of reasons for allowance:

The prior art fail to teach or fairly suggest the limitations cited in claims 1, 11, and 20 wherein:

at least one sealing ring being disposed between an outer perimeter of at least one of said at least two exhaust jacket pipes and at least one of said at least two jacket openings wherein said at least two jacket openings having a sealing groove sized to receive said at least one sealing ring, said collector housing having a collector coolant

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passage area, attaching removably said collector housing to said at least two exhaust jacket pipes; in combination with all of the other claim limitations.

Accordingly, claims 1-28, as amended are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarang Afzali whose telephone number is 571-272-8412. The examiner can normally be reached on 7:00-3:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S.A.

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12/21/2005



ERIC COMPTON
PRIMARY EXAMINER